

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for scheduling and delivery of a product to a buyer
2 along a commuting route, comprising:

receiving an order of a product from a buyer;

4 receiving commuting route information from the buyer by a server, the
commuting route information including a beginning address and an ending
6 address;

identifying a commuting route of the buyer comprising selecting at least
8 one commuting route parameter and calculating by the server the commuting
route based on the commuting route parameter, the commuting route connecting
10 the beginning address and the ending address;

selecting a pickup point along the identified commuting route;

12 loading the buyer ordered product to a mobile pick up station at a
warehouse that is in communication with the server;

14 dispatching the mobile pickup station to the selected pickup point, the
mobile pickup station containing the product ordered by the buyer; and

16 stationing the mobile pick up station at the pick up point, the mobile pick
up station being removable from the pick up point; whereby

18 the buyer may pick up the order from the mobile pick up station.

2. (previously presented) The method of claim 1, wherein selecting a pickup point

2 further comprises:

receiving a channel width from the buyer;

4 calculating a channel area using the channel width and the route
information;

6 determining a set of pickup points from the plurality of pickup points
based on the channel area; and

8 selecting from the set of pickup points a pickup point.

3. (previously presented) The method of claim 1, wherein selecting a pick up point
2 being further determined by using an approximate buyer route concentration based on
route usage.

4. (currently amended) The method of claim 1, further comprising:

2 receiving by the server commuting route information from a second
buyer;

4 the second buyer commuting route information including a second buyer
beginning address and a second buyer ending address;

6 identifying a ~~second buyer commuting route~~ of the second buyer
comprising selecting at least one second buyer commuting route parameter and
8 calculating for the second buyer by the server a second buyer commuting route
based on the second buyer commuting route parameter, the second buyer
10 commuting route connecting the second buyer beginning address and the second

buyer ending address;

- 12 generating by the server an overlapped route segment within the said

identified commuting routes; and

14 selecting a pickup point along the overlapped route segment.

5. (previously presented) The method of claim 4, further comprising:

- 2 receiving a specification of the buyer's preferred products

from the buyer by the server; and

4 ordering a product for the buyer by the server using the specification.

6. (previously presented) The method of claim 4, further comprising reminding the

2 buyer via email that a product delivery is scheduled at the pickup point.

7. (previously presented) The method of claim 4, further comprising reminding the

2 buyer telephonically that a product delivery is scheduled at the pickup point.

8. (previously presented) The method of claim 4, wherein:

- 2 the mobile pickup station includes a plurality of lockers for containing

products, each of the plurality of lockers having a unique access code; and

4 giving the buyer an access code for a locker containing the buyer's

product, the locker selected from the plurality of lockers.

Claims 9 and 10 (cancelled)

11. (currently amended) A method for scheduling and delivery of a product to a buyer by
a server using a third party seller affiliate, comprising:

receiving an order for a product from a buyer;

receiving commuting route information from the buyer, said commuting
route information including a beginning address and an ending address;

identifying a commuting route of the buyer comprising selecting at least
one commuting route parameter and calculating by the server the commuting
route based on the commuting route parameter, the commuting route connecting
the beginning address and the ending address;

selecting a pickup point along the identified commuting route;

selecting a third party seller affiliate from a plurality of third party
sellers based on the location of the pickup point;

loading the buyer ordered product to a mobile pick up station at a third
party affiliate's warehouse by the third party affiliate;

dispatching by the third party seller affiliate the mobile pickup station to
the selected pickup point, the mobile pickup station containing the products
ordered by the buyer; and

stationing the mobile pick up station at the pick up point;

the mobile pick up station being removable from the pick up point;

whereby

the buyer may pick up the order from the mobile pick up station.

Claims 12 - 29 (cancelled)

30. (original) A method for scheduling and delivery of a product to a buyer along the
2 buyer's commuting route, comprising:

receiving a buyer's commuting route information from the buyer, said

4 route information including a beginning address and an ending address;

receiving a channel width from the buyer;

6 calculating a channel area using the channel width and the route
information;

8 determining a set of pickup points from a plurality of pickup points based
on the channel area;

10 selecting from the set of pickup points a pickup point;

12 dispatching a mobile pickup station to the pickup point, the mobile
pickup station containing a product ordered by the buyer; and

14 stationing the mobile pick up station at the pick up point, the mobile pick
up station being removable from the pick up point; whereby

the buyer may pick up the order from the mobile pick up station.

31. (original) The method of claim 30, wherein the plurality of pickup points is
2 determined using an approximate buyer route concentration based on route usage.

32. (original) The method of claim 30, further comprising:

receiving a plurality of routes from a plurality of buyers; and
determining the plurality of pickup points based on the plurality of
routes.

33. (currently amended) A data processing system adapted to schedule and deliver a
product to a buyer along a commuting route, comprising:

a processor;

a memory operably coupled to the processor and having program
instructions stored therein, the processor being operable to execute the program
instructions, the program instructions including:

receiving an order of a product from a buyer;

receiving commuting route information from the buyer by a server, said
commuting route information including a beginning address and an ending
address;

identifying a commuting route of the buyer comprising selecting at least
one commuting route parameter and calculating by the server the commuting
route based on the commuting route parameter, the commuting route connecting
the beginning address and the ending address;

selecting a pickup point along the identified commuting route ;

loading the buyer ordered product to a mobile pick up station at a
warehouse that is in communication with the server;

18 dispatching the mobile pickup station to the selected pickup point, the
mobile pickup station containing the product ordered by the buyer ; and
20 stationing the mobile pick up station at the pick up point;
the mobile pick up station being removable from the pick up point;
22 whereby
the buyer may pick up the order from the mobile pick up station.

34. (original) The data processing system of claim 33, wherein the program
2 instructions for selecting a pickup point further include:
receiving a channel width from the buyer;
4 calculating a channel area using the channel width and the route
information;
6 determining a set of pickup points from the plurality of pickup points
based on the channel area;
8 selecting from the set of pickup points a pickup point.

35. (previously presented) The data processing system of claim 33, the program
2 instructions further including:
selecting a pick up point by using an approximate buyer route
4 concentration based on route usage.

36. (currently amended) The data processing system of claim 33, the program instructions

2 further including:

receiving by the server commuting route information from a second

4 buyer;

the second buyer commuting route information including a second buyer

6 beginning address and a second buyer ending address;

identifying a ~~second buyer commuting route~~ of the second buyer

8 comprising selecting at least one second buyer commuting route parameter and

calculating for the second buyer by the server a second buyer commuting route

10 based on the second buyer commuting route parameter, the second buyer

commuting route connecting the second buyer beginning address and the second

12 buyer ending address;

generating by the server an overlapped route segment within the said

14 identified commuting routes; and

selecting a pickup point along the overlapped route segment.

37. (previously presented) The data processing system of claim 36, the program

2 instructions further including:

receiving a specification of the buyer's preferred products from the

4 buyer by the server; and

ordering a product for the buyer by the server using the specification .

38. (previously presented) The data processing system of claim 36, the program

2 instructions further including reminding the buyer via email that a product delivery is
scheduled at the pickup point.

39. (previously presented) The data processing system of claim 36, the program
2 instructions further including reminding the buyer telephonically that a product delivery
is scheduled at the pickup point.

Claims 40 and 41 (cancelled)

42. (currently amended) A data processing system adapted to schedule and deliver a
2 product to a buyer by a server using a third party seller affiliate, comprising:

a processor;

4 a memory operably coupled to the processor and having program
instructions stored therein, the processor being operable to execute the program
6 instructions, the program instructions including:

receiving an order for a product from a buyer;

8 receiving commuting route information from the buyer, said route
information including a beginning address and an ending address;

10 identifying a commuting route of the buyer comprising selecting at least
one commuting route parameter and calculating by the server the commuting
12 route based on the commuting route parameter, the commuting route connecting
the beginning address and the ending address;

14 selecting a pickup point along the identified commuting route;

 selecting a third party seller affiliate from a plurality of third party
16 sellers based on the location of the pickup point;

 loading the buyer ordered product to a mobile pick up station at a third
18 party affiliate's warehouse by the third party affiliate;

 dispatching by the third party seller affiliate the mobile pickup station to
20 the selected pickup point, the mobile pickup station containing the products
ordered by the buyer; and

22 stationing the mobile pick up station at the pick up point;

 the mobile pick up station being removable from the pick up point;
24 whereby

 the buyer may pick up the order from the mobile pick up station.

Claims 43 - 70 (cancelled)

71. (previously presented) The method of claim 5, further comprising:

2 receiving a date from the buyer by the server; and

 delivering the product by the server using a mobile pick station
4 according to the date.

72. (previously presented) The method for scheduling and delivery of a product to a
2 buyer along the buyer's commuting route as set forth in claim 5 , further comprising:

the buyer accessing a server via a communications network; and
receiving route information from the buyer by the server via the
communications network.

73. (previously presented) The method for scheduling and delivery of a product to a
buyer by a server using a third party seller affiliate as set forth in claim 11, further
comprising:

the buyer accessing the server via a communications network;
receiving an order for a product from a buyer by the server via the
communications network; and
receiving route information from a buyer by the server via the
communications network.

74. (previously presented) The method for scheduling and delivery of a product to a
buyer along the buyer's commuting route as set forth in claim 30, further comprising:

the buyer accessing a server via a communications network;
receiving route information from the buyer by the server via the
communications network; and
receiving a channel width from the buyer by the server via the
communications network.

75. (previously presented) The data processing system of claim 37, the program

instructions further including:

receiving a date from the buyer by the server; and

delivering the product by the server according to the date.

76. (currently amended) The method in claim 1 further comprising:

determining by the server prior to dispatching the mobile pickup station a station time for the mobile pickup station, the station time starting at a specific time and ending at a second specific time; and

stationing the mobile pick up station at the pick up point for the station time;

the mobile pick up station being removable from the pick up point when the station time ends;

releasing the product ~~to the buyer only~~ by an operator of the mobile pickup station when the buyer presenting to the mobile or his agent arrives at the pick up point to pick up the product; returning the product to a warehouse by the mobile pickup station if the buyer or his agent fails to arrive at the pickup point to pickup the product during the station time.

77. (currently amended) The method of claim 76 wherein the station time ends when the ~~buyer picks up the product~~ the product is released.

78. (currently amended) ~~The method in claim 76 wherein the buyer designating a third~~

2 ~~party recipient and releasing the product to the third party recipient only when the third~~
~~party recipient presenting to the mobile pick up point to pick up the product.~~

4 The method in claim 1 wherein the selecting of a pickup point further
comprising:

6 displaying by the server a map, said map displaying a plurality of pickup
points selected by the server; and

8 selecting by the buyer from the plurality of pickup points a pickup point.

79. (currently amended) The method in claim 11 ~~78~~ further comprising:

2 determining by the server prior to dispatching the mobile pickup station a
station time for the mobile pickup station, the station time starting at a specific
4 time and ending at a second specific time; and

6 stationing the mobile pick up station at the pick up point for the station
time;

8 the mobile pick up station being removable from the pick up point when
the station time ends;

10 releasing the product to the buyer only by an operator of the mobile
pickup station when the buyer presenting to the mobile or his agent arrives at
the pick up point to pick up the product; returning the product to a warehouse
12 by the mobile pickup station if the buyer or his agent fails to arrive at the pickup
point to pickup the product during the station time.

80. (currently amended) The method of claim 79 wherein the station time ends when the
2 ~~buyer picks up the product~~ the product is released.

Claim 81 (cancelled)

82. (currently amended) The data processing system of claim 33, wherein the program
2 instructions further include:

determining by the server prior to dispatching the mobile pickup station a
4 station time for the mobile pickup station, the station time starting at a specific
time and ending at a second specific time; and

6 stationing the mobile pick up station at the pick up point for the station
time;

8 the mobile pick up station being removable from the pick up point when
the station time ends;

10 releasing the product ~~to the buyer only~~ by an operator of the mobile
pickup station when the buyer ~~presenting to the mobile~~ or his agent arrives at
12 the pick up point to pick up the product; returning the product to a warehouse
by the mobile pickup station if the buyer or his agent fails to arrive at the pickup
14 point to pickup the product during the station time.

83. (currently amended) The data processing system of claim 82, wherein the program
2 instructions further include:

the station time ends when ~~the buyer picks up the product~~ the product is
released.

84. (currently amended) ~~The data processing system of claim 82 wherein the program~~
~~instructions further include:~~

~~the buyer designating a third party recipient and releasing the product to~~
~~the third party recipient only when the third party recipient presenting to the~~
~~mobile pick up point to pick up the product.~~

The data processing system of claim 33 wherein the program instructions for
selecting a pickup point further include:

displaying by the server a map, said map displaying a plurality of pickup
points selected by the server; and

selecting by the buyer from the plurality of pickup points a pickup point.

85. (currently amended) The data processing system of claim 42 84, wherein the program
instructions further including:

determining by the server prior to dispatching the mobile pickup station a
station time for the mobile pickup station, the station time starting at a specific
time and ending at a second specific time; and

stationing the mobile pick up station at the pick up point for the station
time;

the mobile pick up station being removable from the pick up point when

the station time ends;

10 releasing the product ~~to the buyer only~~ by an operator of the mobile
pickup station when the buyer ~~presenting to the mobile or his agent~~ arrives at
12 the pickup point to pick up the product; returning the product to a warehouse
by the mobile pickup station if the buyer or his agent fails to arrive at the pickup
14 point to pickup the product during the station time.

86. (currently amended) The data processing system of claim 85, wherein the program
2 instructions further including:

 the station time ends when ~~the buyer pick up the product~~ the product is
4 released.

Claim 87 (cancelled)

88. (currently amended) A method for scheduling and delivery of a product comprising:

2 receiving an order of a product from a buyer by a server;
 receiving commuting route information from the buyer and at least one
4 other buyer;
 each of the said commuting route information including a beginning
6 address and an ending address;
 identifying for each buyer a commuting route comprising selecting at
8 least one commuting route parameter and calculating for the buyer by the server

the commuting route based on the commuting route parameter, the commuting
route connecting the buyer beginning address and the buyer ending address;

generating by the server an overlapped route segment within the said
identified commuting routes;

selecting a pickup point along the overlapped route segment;

loading the buyer ordered product to a mobile pick up station at a
warehouse that is in communication with the server;

dispatching the mobile pickup station to the selected pickup point, the
mobile pickup station containing the product ordered by the buyer; and

stationing the mobile pick up station at the pick up point;

the mobile pick up station being removable from the pick up point;

whereby

a buyer may pick up the order from the mobile pick up station.

89. (currently amended) The method in claim 88 further comprising:

determining by the server prior to dispatching the mobile pickup station a
station time for the mobile pickup station, the station time starting at a specific
time and ending at a second specific time; and

stationing the mobile pick up station at the pick up point for the station
time;

the mobile pick up station being removable from the pick up point when
the station time ends;

releasing the product ~~to~~by an operator of the buyer~~mobile pickup station~~
when the buyer ~~presenting to the mobile~~ or his agent arrives at the pick up
locationpoint to pick up the product.; returning the product to a warehouse by
the mobile pickup station if the buyer or his agent fails to arrive at the pickup
point to pickup the product during the station time.

90. (currently amended) The method of claim 89 wherein the station time ends when ~~the~~
buyer picks up the product the product is released.

Claim 91 (cancelled)

92. (currently amended) The method of claim 91 80, further comprising:
receiving a specification of the buyer's preferred products from the
buyer by the server; and
ordering a product for the buyer by the server using the specification.

93. (previously presented) The method of claim 92, further comprising:
receiving a date from the buyer by the server; and
delivering the product by the server using a mobile pick station
according to the date.

94. (currently amended) A data processing system adapted to schedule and deliver a

2 product comprising:

a processor; and

4 a memory operably coupled to the processor and having program
instructions stored therein, the processor being operable to execute the program
6 instructions, the program instructions including:

receiving an order of a product from a buyer by a server;

8 receiving commuting route information from the buyer and at least one
other buyer;

10 each of the said commuting route information including a beginning
address and an ending address;

12 identifying for each buyer a commuting route comprising selecting at
least one commuting route parameter and calculating for the buyer by the server
14 the commuting route based on the commuting route parameter, the commuting
route connecting the buyer beginning address and the buyer ending address;

16 generating by the server an overlapped route segment within the said
identified commuting routes;

18 selecting a pickup point along the overlapped route segment;

loading the buyer ordered product to a mobile pick up station at a
20 warehouse that is in communication with the server;

22 dispatching the mobile pickup station to the selected pickup point, the
mobile pickup station containing the product ordered by the buyer; and

stationing the mobile pick up station at the pick up point;

24 the mobile pick up station being removable from the pick up point;
whereby

26 a buyer may pick up the order from the mobile pick up station.

95. (currently amended) The data processing system of claim 94, wherein the program
2 instructions further include:

4 determining by the server prior to dispatching the mobile pickup station a
station time for the mobile pickup station, the station time starting at a specific
time and ending at a second specific time; and

6 stationing the mobile pick up station at the pick up point for the station
time;

8 the mobile pick up station being removable from the pick up point when
the station time ends;

10 releasing the product to by an operator of the buyer mobile pickup station
when the buyer ~~presenting to the mobile~~ or his agent arrives at the pick up
12 ~~location point~~ to pick up the product; returning the product to a warehouse by the
mobile pickup station if the buyer or his agent fails to arrive at the pickup point
14 to pickup the product during the station time.

96. (currently amended) The data processing system of claim 95 wherein the program
2 instructions including:

the station time ends when ~~the buyer picks up the product.~~ The product

4 is released.

Claim 97 (cancelled)

98. (currently amended) The data processing system of claim 97_86, the program
2 instructions further including:

 receiving a specification of the buyer's preferred products from the
4 buyer by the server; and

 ordering a product for the buyer by the server using the specification.

99. (previously presented) The data processing system of claim 98, the program
2 instructions further including:

 receiving a date from the buyer by the server; and

4 delivering the product by the server using a mobile pick station
 according to the date.

Claims 100-105 (cancelled)

106. (currently amended) A method for scheduling and delivery of a product comprising:

2 receiving an order of a first product from a first buyer by a server;

 receiving first commuting route information from said first buyer and

4 second commuting route information from a second buyer;

said first commuting route information including a first beginning
address and a first ending address;

said second commuting route information including a second beginning
address and a second ending address;

identifying for said first buyer a first commuting route comprising
selecting at least one first commuting route parameter and calculating for said
first buyer by said server said first commuting route based on said first
commuting route parameter, said first commuting route connecting said first
buyer beginning address and said first buyer ending address;

identifying for said second buyer a second commuting route of said
second buyer comprising selecting at least one second commuting route
parameter and calculating for said second buyer by said server said second
commuting route based on said second commuting route parameter, said second
commuting route connecting said second buyer beginning address and said
second buyer ending address;

generating by said server an overlapped route segment between said first
and second identified commuting routes;

selecting a pickup point along said overlapped route segment;

loading said first buyer ordered product to a mobile pick up station at a
warehouse that is in communication with the server;

dispatching said mobile pickup station to said selected pickup point, said
mobile pickup station containing said first product ordered by said first buyer;

and

stationing said mobile pick up station at said pick up point;

said mobile pick up station being removable from said pick up point;

whereby

said first buyer may pick up said order from said mobile pick up station.

107. (currently amended) The method in claim 106 further comprising:

determining by the server prior to dispatching the mobile pickup station a
station time, ~~said~~ for the mobile pickup station, the station time starting at a
specific time and ending at a second specific time; and

stationing said mobile pick up station at said pick up point for said
station time;

said mobile pick up station being removable from said pick up point
when said station time ends;

releasing said product to said first buyer when said first buyer arrives at
said ~~mobile-pick up location~~ point to pick up said product.

108. (previously presented) The method of claim 107 wherein:

said station time ends when said first buyer picks up said product.

109. (previously presented) The method in claim 107 wherein:

said first buyer designates a third party recipient; and

releasing said first product to said third party recipient when said third
party recipient arrives at said mobile pick up point to pick up said order.

110. (previously presented) The method of claim 109, further comprising:

receiving a specification of said first buyer's preferred products from
said first buyer by said server; and
ordering a product for said first buyer by said server using said
specification.

111. (previously presented) The method of claim 110, further comprising:

receiving a date from said first buyer by said server; and
delivering said first product by said server using a mobile pick station
according to said date.

112. (previously presented) The method of claim 109 wherein:

said station time ends when said third party recipient picks up said
product.

113. (currently amended) A data processing system adapted to schedule and deliver a
product comprising:

a processor; and
a memory operably coupled to said processor and having program

instructions stored therein, said processor being operable to execute said
6 program instructions, said program instructions including:

receiving an order of a first product from a first buyer by a server;

8 receiving first commuting route information from said first buyer and
second commuting route information from a second buyer;

10 said first commuting route information including a first beginning
address and a first ending address;

12 said second commuting route information including a second beginning
address and a second ending address;

14 identifying for said first buyer a first commuting route comprising
selecting at least one first commuting route parameter and calculating for said
16 first buyer by said server said first commuting route based on said first
commuting route parameter, said first commuting route connecting said first
18 buyer beginning address and said first buyer ending address;

identifying for said second buyer a second commuting route of said
20 second buyer comprising selecting at least one second commuting route
parameter and calculating for said second buyer by said server said second
22 commuting route based on said second commuting route parameter, said second
commuting route connecting said second buyer beginning address and said
24 second buyer ending address;

generating by said server an overlapped route segment between said first
26 and second identified commuting routes;

selecting a pickup point along said overlapped route segment;

loading said first buyer ordered product to a mobile pick up station at a warehouse that is in communication with the server;

dispatching said mobile pickup station to said selected pickup point, said mobile pickup station containing said first product ordered by said first buyer; and

stationing said mobile pick up station at said pick up point;

said mobile pick up station being removable from said pick up point; whereby

said first buyer may pick up said order from said mobile pick up station.

114. (currently amended) The data processing system of claim 113, wherein said program instructions further include:

determining by the server prior to dispatching the mobile pickup station a station time, said for the mobile pickup station, the station time starting at a specific time and ending at a second specific time; and

stationing said mobile pick up station at said pick up point for said station time;

said mobile pick up station removable from said pick up point when said station time ends;

releasing said product to said first buyer when said first buyer arrives at said mobile pick up ~~location~~ point to pick up said product during the station

12 time.

115. (previously presented) The data processing system of claim 114 wherein said
2 program instructions including:

 said station time ends when said first buyer picks up said product.

116. (previously presented) The data processing system of claim 114 wherein said
2 program instructions including:

 said first buyer designating a third party recipient and releasing said
4 product to said third party recipient when said third party recipient arrives at
 said mobile pick up point to pick up said order.

117. (previously presented) The data processing system of claim 116, said program
2 instructions further including:

 receiving a specification of said first buyer's preferred products from
4 said buyer by said server; and

 ordering a product for said first buyer by said server using said
6 specification.

118. (previously presented) The data processing system of claim 117, said program
2 instructions further including:

 receiving a date from said first buyer by said server; and

4 delivering said product by said server using a mobile pick station
according to said date.

119. (previously presented) The data processing system of claim 116 wherein said
2 program instructions including:

said station time ends when said third party recipient picks up said
4 product.